

# SuperChart: VIC 20 / Commodore 64

DECIMAL	HEX	ASCII	SCREEN	BASIC	6502	DECIMAL	DECIMAL	HEX	ASCII	SCREEN	BASIC	6502	DECIMAL
0	00		@	end-line	BRK	0	64	40	@	☐	@	RTI	64
1	01		A		ORA(I,X)	1	65	41	A	▀,a	A	EOR(I,X)	65
2	02		B			2	66	42	B	▀,b	B		66
3	03	stop	C			3	67	43	C	▀,c	C		67
4	04		D			4	68	44	D	▀,d	D		68
5	05	white	E		ORA Z	5	69	45	E	▀,e	E	EOR Z	69
6	06		F		ASL Z	6	70	46	F	▀,f	F	LSR Z	70
7	07		G			7	71	47	G	▀,g	G		71
8	08	lock	H		PHP	8	72	48	H	▀,h	H	PHA	72
9	09	unlock	I		ORA #	9	73	49	I	▀,i	I	EOR #	73
10	0A		J		ASL A	10	74	4A	J	▀,j	J	LSR A	74
11	0B		K			11	75	4B	K	▀,k	K		75
12	0C		L			12	76	4C	L	▀,l	L	JMP	76
13	0D	car ret	M		ORA	13	77	4D	M	▀,m	M	EOR	77
14	0E	text	N		ASL	14	78	4E	N	▀,n	N	LSR	78
15	0F		O			15	79	4F	O	▀,o	O		79
16	10		P		BPL	16	80	50	P	▀,p	P	BVC	80
17	11	cur down	Q		ORA(I),Y	17	81	51	Q	▀,q	Q	EOR(I),Y	81
18	12	reverse	R			18	82	52	R	▀,r	R		82
19	13	cur home	S			19	83	53	S	▀,s	S		83
20	14	delete	T			20	84	54	T	▀,t	T		84
21	15		U		ORA Z,X	21	85	55	U	▀,u	U	EOR Z,X	85
22	16		V		ASL Z,X	22	86	56	V	▀,v	V	LSR Z,X	86
23	17		W			23	87	57	W	▀,w	W		87
24	18		X		CLC	24	88	58	X	▀,x	X	CLI	88
25	19		Y		ORA Y	25	89	59	Y	▀,y	Y	EOR Y	89
26	1A		Z			26	90	5A	Z	▀,z	Z		90
27	1B		[			27	91	5B	[	▀	[		91
28	1C	red	\			28	92	5C	£	▀	£		92
29	1D	cur right	]		ORA X	29	93	5D	]	▀	]	EOR X	93
30	1E	green	↑		ASL X	30	94	5E	↑	▀	↑	LSR X	94
31	1F	blue	←			31	95	5F	←	▀	←		95
32	20	space	space	space	JSR	32	96	60		▀		RTS	96
33	21	!	!	!	AND(I,X)	33	97	61		▀		ADC(I,X)	97
34	22	"	"	"		34	98	62		▀			98
35	23	#	#	#		35	99	63		▀			99
36	24	\$	\$	\$	BIT Z	36	100	64		▀			100
37	25	%	%	%	AND Z	37	101	65		▀		ADC Z	101
38	26	&	&	&	ROL Z	38	102	66		▀		ROR Z	102
39	27	/	/	/		39	103	67		▀			103
40	28	(	(	(	PLP	40	104	68		▀		PLA	104
41	29	)	)	)	AND #	41	105	69		▀		ADC #	105
42	2A	*	*	*	ROL A	42	106	6A		▀		ROR A	106
43	2B	+	+	+		43	107	6B		▀			107
44	2C	,	,	,	BIT	44	108	6C		▀		JMP(I)	108
45	2D	-	-	-	AND	45	109	6D		▀		ADC	109
46	2E	.	.	.	ROL	46	110	6E		▀		ROR	110
47	2F	/	/	/		47	111	6F		▀			111
48	30	0	0	0	BMI	48	112	70		▀		BVS	112
49	31	1	1	1	AND(I),Y	49	113	71		▀		ADC(I),Y	113
50	32	2	2	2		50	114	72		▀			114
51	33	3	3	3		51	115	73		▀			115
52	34	4	4	4		52	116	74		▀			116
53	35	5	5	5	AND Z,X	53	117	75		▀		ADC Z,X	117
54	36	6	6	6	ROL Z,X	54	118	76		▀		ROR Z,X	118
55	37	7	7	7		55	119	77		▀			119
56	38	8	8	8	SEC	56	120	78		▀		SEI	120
57	39	9	9	9	AND Y	57	121	79		▀		ADC Y	121
58	3A	:	:	:		58	122	7A		▀			122
59	3B	;	;	;		59	123	7B		▀			123
60	3C	<	<	<		60	124	7C		▀			124
61	3D	=	=	=	AND X	61	125	7D		▀		ADC X	125
62	3E	>	>	>	ROL X	62	126	7E		▀		ROR X	126
63	3F	?	?	?		63	127	7F		▀			127

DECIMAL	HEX	ASCII	SCREEN	BASIC	6502	DECIMAL
128	80		@	END		128
129	81	orange	A	FOR	STA(I,X)	129
130	82		B	NEXT		130
131	83	load & run	C	DATA		131
132	84		D	INPUT#	STY Z	132
133	85	f1	E	INPUT	STA Z	133
134	86	f2	F	DIM	STX Z	134
135	87	f3	G	READ		135
136	88	f4	H	LET	DEY	136
137	89	f5	I	GOTO		137
138	8A	f6	J	RUN	TXA	138
139	8B	f7	K	IF		139
140	8C	f8	L	RESTORE	STY	140
141	8D	car ret	M	GOSUB	STA	141
142	8E	graphics	N	RETURN	STX	142
143	8F		O	REM		143
144	90	black	P	STOP	BCC	144
145	91	cur up	Q	ON	STA(I),Y	145
146	92	rvs off	R	WAIT		146
147	93	clear	S	LOAD		147
148	94	insert	T	SAVE	STY Z,X	148
149	95	brown	U	VERIFY	STA Z,X	149
150	96	lt. red	V	DEF	STX Z,Y	150
151	97	dk. grey	W	POKE		151
152	98	md. grey	X	PRINT#	TYA	152
153	99	lt. green	Y	PRINT	STA Y	153
154	9A	lt. blue	Z	CONT	TXS	154
155	9B	lt. grey	[	LIST		155
156	9C	magenta	£	CLR		156
157	9D	cur left	!	CMD	STA X	157
158	9E	yellow	↑	SYS		158
159	9F	cyan	←	OPEN		159
160	A0	□	■	CLOSE	LDY #	160
161	A1	▀	!	GET	LDA(I,X)	161
162	A2	▄	"	NEW	LDX #	162
163	A3	□	#	TAB(		163
164	A4	□	\$	TO	LDY Z	164
165	A5	▤	%	FN	LDA Z	165
166	A6	■	&	SPC(	LDX Z	166
167	A7	▤	/	THEN		167
168	A8	▥	(	NOT	TAY	168
169	A9	▦	)	STEP	LDA #	169
170	AA	▤	*	+	TAX	170
171	AB	▥	+	-		171
172	AC	▤	.	*	LDY	172
173	AD	▥	-	/	LDA	173
174	AE	▤	↑	↑	LDX	174
175	AF	▤	/	AND		175
176	B0	▥	0	OR	BCS	176
177	B1	▥	1	>	LDA(I),Y	177
178	B2	▥	2	=		178
179	B3	▥	3	<		179
180	B4	▤	4	SGN	LDY Z,X	180
181	B5	▤	5	INT	LDA Z,X	181
182	B6	▤	6	ABS	LDX Z,Y	182
183	B7	▤	7	USR		183
184	B8	▤	8	FRE	CLV	184
185	B9	▤	9	POS	LDA Y	185
186	BA	▤	:	SQR	TSX	186
187	BB	▤	:	RND		187
188	BC	▤	<	LOG	LDY X	188
189	BD	▥	=	EXP	LDA X	189
190	BE	▤	>	COS	LDX Y	190
191	BF	▤	?	SIN		191

DECIMAL	HEX	ASCII	SCREEN	BASIC	6502	DECIMAL
192	C0		☐	TAN	CPY #	192
193	C1	■, a		ATN	CMP(I),X	193
194	C2	▣, b		PEEK		194
195	C3	☐, c		LEN		195
196	C4	☐, d		STR\$	CPY Z	196
197	C5	☐, e		VAL	CMP Z	197
198	C6	☐, f		ASC	DEC Z	198
199	C7	▣, g		CHR\$		199
200	C8	▣, h		LEFT\$	INY	200
201	C9	▣, i		RIGHT\$	CMP #	201
202	CA	▣, j		MID\$	DEX	202
203	CB	▣, k		GO		203
204	CC	☐, l			CPY	204
205	CD	▣, m			CMP	205
206	CE	▣, n			DEC	206
207	CF	☐, o				207
208	D0	☐, p			BNE	208
209	D1	■, q			CMP(I),Y	209
210	D2	☐, r				210
211	D3	▣, s				211
212	D4	☐, t				212
213	D5	▣, u			CMP Z,X	213
214	D6	▣, v			DEC Z,X	214
215	D7	☐, w				215
216	D8	■, x			CLD	216
217	D9	☐, y			CMP Y	217
218	DA	▣, z				218
219	DB	☐				219
220	DC	■				220
221	DD	☐			CMP X	221
222	DE	▣, ▣			DEC X	222
223	DF	▣, ▣				223
224	E0	■			CPX #	224
225	E1	▣			SBC(I),X	225
226	E2	▣				226
227	E3	▣				227
228	E4	▣			CPX Z	228
229	E5	▣			SBC Z	229
230	E6	▣			INC Z	230
231	E7	▣				231
232	E8	▣			INX	232
233	E9	▣, ▣			SBC #	233
234	EA	▣			NOP	234
235	EB	▣				235
236	EC	▣			CPX	236
237	ED	▣			SBC	237
238	EE	▣			INC	238
239	EF	▣				239
240	F0	▣			BEQ	240
241	F1	▣			SBC(I),Y	241
242	F2	▣				242
243	F3	▣				243
244	F4	▣				244
245	F5	▣			SBC Z,X	245
246	F6	▣			INC Z,X	246
247	F7	▣				247
248	F8	▣			SED	248
249	F9	▣			SBC Y	249
250	FA	▣, ▣				250
251	FB	▣				251
252	FC	▣				252
253	FD	▣			SBC X	253
254	FE	▣			INC X	254
255	FF	▣			π	255

Reverse of ASCII

# SuperChart: BASIC 2.0 / 4.0

DECIMAL	HEX	ASCII	SCREEN	BASIC	6502	DECIMAL
0	00		@	end-line	BRK	0
1	01		A		ORA(I,X)	1
2	02		B			2
3	03	stop	C			3
4	04		D			4
5	05		E		ORA Z	5
6	06		F		ASL Z	6
7	07	bell	G			7
8	08		H		PHP	8
9	09	tab	I		ORA #	9
10	0A		J		ASL A	10
11	0B		K			11
12	0C		L			12
13	0D	car ret	M		ORA	13
14	0E	text	N		ASL	14
15	0F	top left	O			15
16	10		P		BPL	16
17	11	cur down	Q		ORA(I),Y	17
18	12	reverse	R			18
19	13	cur home	S			19
20	14	delete	T			20
21	15	del line	U		ORA Z,X	21
22	16	ers start	V		ASL Z,X	22
23	17		W			23
24	18		X		CLC	24
25	19	scroll dn	Y		ORA Y	25
26	1A		Z			26
27	1B	escape	[			27
28	1C		\			28
29	1D	cur right	]		ORA X	29
30	1E		↑		ASL X	30
31	1F		←			31
32	20	space	space	space	JSR	32
33	21	!	!	!	AND(I,X)	33
34	22	"	"	"		34
35	23	#	#	#		35
36	24	\$	\$	\$	BIT Z	36
37	25	%	%	%	AND Z	37
38	26	&	&	&	ROL Z	38
39	27	'	'	'		39
40	28	(	(	(	PLP	40
41	29	)	)	)	AND #	41
42	2A	*	*	*	ROL A	42
43	2B	+	+	+		43
44	2C	,	,	,	BIT	44
45	2D	-	-	-	AND	45
46	2E	.	.	.	ROL	46
47	2F	/	/	/		47
48	30	0	0	0	BMI	48
49	31	1	1	1	AND(I),Y	49
50	32	2	2	2		50
51	33	3	3	3		51
52	34	4	4	4		52
53	35	5	5	5	AND Z,X	53
54	36	6	6	6	ROL Z,X	54
55	37	7	7	7		55
56	38	8	8	8	SEC	56
57	39	9	9	9	AND Y	57
58	3A	:	:	:		58
59	3B	:	:	:		59
60	3C	<	<	<		60
61	3D	=	=	=	AND X	61
62	3E	>	>	>	ROL X	62
63	3F	?	?	?		63

DECIMAL	HEX	ASCII	SCREEN	BASIC	6502	DECIMAL
64	40	@	␣	@	RTI	64
65	41	A	␣,a	A	EOR(I,X)	65
66	42	B	␣,b	B		66
67	43	C	␣,c	C		67
68	44	D	␣,d	D		68
69	45	E	␣,e	E	EOR Z	69
70	46	F	␣,f	F	LSR Z	70
71	47	G	␣,g	G		71
72	48	H	␣,h	H	PHA	72
73	49	I	␣,i	I	EOR #	73
74	4A	J	␣,j	J	LSR A	74
75	4B	K	␣,k	K		75
76	4C	L	␣,l	L	JMP	76
77	4D	M	␣,m	M	EOR	77
78	4E	N	␣,n	N	LSR	78
79	4F	O	␣,o	O		79
80	50	P	␣,p	P	BVC	80
81	51	Q	␣,q	Q	EOR(I),Y	81
82	52	R	␣,r	R		82
83	53	S	␣,s	S		83
84	54	T	␣,t	T		84
85	55	U	␣,u	U	EOR Z,X	85
86	56	V	␣,v	V	LSR Z,X	86
87	57	W	␣,w	W		87
88	58	X	␣,x	X	CLI	88
89	59	Y	␣,y	Y	EOR Y	89
90	5A	Z	␣,z	Z		90
91	5B	[	␣	[		91
92	5C	\	␣	\		92
93	5D	]	␣	]	EOR X	93
94	5E	↑	␣	↑	LSR X	94
95	5F	←	␣	←		95
96	60		␣		RTS	96
97	61		␣		ADC(I,X)	97
98	62		␣			98
99	63		␣			99
100	64		␣			100
101	65		␣		ADC Z	101
102	66		␣		ROR Z	102
103	67		␣			103
104	68		␣		PLA	104
105	69		␣		ADC #	105
106	6A		␣		ROR A	106
107	6B		␣			107
108	6C		␣		JMP(I)	108
109	6D		␣		ADC	109
110	6E		␣		ROR	110
111	6F		␣			111
112	70		␣		BVS	112
113	71		␣		ADC(I),Y	113
114	72		␣			114
115	73		␣			115
116	74		␣			116
117	75		␣		ADC Z,X	117
118	76		␣		ROR Z,X	118
119	77		␣			119
120	78		␣		SEI	120
121	79		␣		ADC Y	121
122	7A		␣			122
123	7B		␣			123
124	7C		␣			124
125	7D		␣		ADC X	125
126	7E		␣		ROR X	126
127	7F		␣			127

DECIMAL	HEX	ASCII	SCREEN	BASIC	6502	DECIMAL	DECIMAL	HEX	ASCII	SCREEN	BASIC	6502	DECIMAL
128	80		@	END		128	192	C0			TAN	CPY #	192
129	81		A	FOR	STA(I,X)	129	193	C1	a		ATN	CMP(I),X	193
130	82		B	NEXT		130	194	C2	b		PEEK		194
131	83	load & run	C	DATA		131	195	C3	c		LEN		195
132	84		D	INPUT#	STY Z	132	196	C4	d		STR\$	CPY Z	196
133	85		E	INPUT	STA Z	133	197	C5	e		VAL	CMP Z	197
134	86		F	DIM	STX Z	134	198	C6	f		ASC	DEC Z	198
135	87	bell	G	READ		135	199	C7	g		CHR\$		199
136	88		H	LET	DEY	136	200	C8	h		LEFT\$	INY	200
137	89	set/cir tab	I	GOTO		137	201	C9	i		RIGHT\$	CMP #	201
138	8A		J	RUN	TXA	138	202	CA	j		MID\$	DEX	202
139	8B		K	IF		139	203	CB	k		GO		203
140	8C		L	RESTORE	STY	140	204	CC	l		CONCAT	CPY	204
141	8D	car ret	M	GOSUB	STA	141	205	CD	m		DOPEN	CMP	205
142	8E	graphics	N	RETURN	STX	142	206	CE	n		DCLOSE	DEC	206
143	8F	bot right	O	REM		143	207	CF	o		RECORD		207
144	90		P	STOP	BCC	144	208	D0	p		HEADER	BNE	208
145	91	cur up	Q	ON	STA(I),Y	145	209	D1	q		COLLECT	CMP(I),Y	209
146	92	rvs off	R	WAIT		146	210	D2	r		BACKUP		210
147	93	clear	S	LOAD		147	211	D3	s		COPY		211
148	94	insert	T	SAVE	STY Z,X	148	212	D4	t		APPEND		212
149	95	ins line	U	VERIFY	STA Z,X	149	213	D5	u		DSAVE	CMP Z,X	213
150	96	ers end	V	DEF	STX Z,Y	150	214	D6	v		DLOAD	DEC Z,X	214
151	97		W	POKE		151	215	D7	w		CATALOG		215
152	98		X	PRINT#	TYA	152	216	D8	x		RENAME	CLD	216
153	99	scroll up	Y	PRINT	STA Y	153	217	D9	y		SCRATCH	CMP Y	217
154	9A		Z	CONT	TXS	154	218	DA	z		DIRECTORY		218
155	9B	escape	[	LIST		155	219	DB					219
156	9C		\	CLR		156	220	DC					220
157	9D	cur left	]	CMD	STA X	157	221	DD				CMP X	221
158	9E		↑	SYS		158	222	DE				DEC X	222
159	9F		+	OPEN		159	223	DF					223
160	A0		▣	CLOSE	LDY #	160	224	E0				CPX #	224
161	A1		▤	GET	LDA(I,X)	161	225	E1				SBC(I),X	225
162	A2		▥	NEW	LDX #	162	226	E2					226
163	A3		▦	TAB(		163	227	E3					227
164	A4		▧	TO	LDY Z	164	228	E4				CPX Z	228
165	A5		▨	FN	LDA Z	165	229	E5				SBC Z	229
166	A6		▩	SPC(	LDX Z	166	230	E6				INC Z	230
167	A7		▪	THEN		167	231	E7					231
168	A8		▫	NOT	TAY	168	232	E8				INX	232
169	A9		▬	STEP	LDA #	169	233	E9				SBC #	233
170	AA		▮	+	TAX	170	234	EA				NOP	234
171	AB		▯	-		171	235	EB					235
172	AC		▰	*	LDY	172	236	EC				CPX	236
173	AD		▱	/	LDA	173	237	ED				SBC	237
174	AE		▲	↑	LDX	174	238	EE				INC	238
175	AF		△	AND		175	239	EF					239
176	B0		▴	OR	BCS	176	240	F0				BEQ	240
177	B1		▵	>	LDA(I),Y	177	241	F1				SBC(I),Y	241
178	B2		▶	=		178	242	F2					242
179	B3		▷	<		179	243	F3					243
180	B4		▸	SGN	LDY Z,X	180	244	F4					244
181	B5		▹	INT	LDA Z,X	181	245	F5				SBC Z,X	245
182	B6		►	ABS	LDX Z,Y	182	246	F6				INC Z,X	246
183	B7		▻	USR		183	247	F7					247
184	B8		▼	FRE	CLV	184	248	F8				SED	248
185	B9		▽	POS	LDA Y	185	249	F9				SBC Y	249
186	BA		▾	SQR	TSX	186	250	FA					250
187	BB		▿	RND		187	251	FB					251
188	BC		◀	LOG	LDY X	188	252	FC					252
189	BD		◁	EXP	LDA X	189	253	FD				SBC X	253
190	BE		▷	COS	LDX Y	190	254	FE				INC X	254
191	BF		?	SIN		191	255	FF	π		π		255